

Figure 1B

6	mouse_E3αII	RYAVDILTWE	KESELPEDLE	VAEKSDTYYC	MFNDEVHTY	EQVIYTLQKA	249
4	human_E3αII	RYAVEILTWE	KESELPADLE	MVEKSDTYYC	MFNDEVHTY	EQVIYTLQKA	249
15	mouse_E3αI	KYIVEMTIWE	EEKELPPELQ	I REKNERYYC	VLFNDEHHSY	DHVIYSLQRA	248
2	human_E3αI	KYVVENTIWE	EEKELPPELQ	I REKNERYYC	VLFNDEHHSY	DHVIYSLQRA	248
	Consensus	.Y.VE...WE	.E.ELP..L.	..EK...YYC	.LFNDE.H.Y	.VIY.LQ.A	250
6	mouse_E3αII	VNCTQKEAIG	FATTVDRDGR	RPVRYGDFQY	CDQAKTVI VR	NTSRQTK-PL	298
4	human_E3αII	VNCTQKEAIG	FATTVDRDGR	RSVRYGDFQY	CEQAKSVI VR	NTSRQTK-PL	298
15	mouse_E3αI	LDCELAEAQL	HTTAIDKEGR	RAVKAGVYAT	CQEAKEDI KS	HSENVSQHPL	298
2	human_E3αI	LDCELAEAQL	HTTAIDKEGR	RAVKAGAYAA	CQEAKEDI KS	HSENVSQHPL	298
	Consensus	..C...EA..	..T..D..GR	R.V..G....	C..AK..I..	.....PL	300
6	mouse_E3αII	KVQVMHSSVA	AHQNFGLKAL	SWLGSVI GYS	DGLRRI LCQV	GLQEGPDGEN	348
4	human_E3αII	KVQVMHSSI V	AHQNFGLKLL	SWLGSII GYS	DGLRRI LCQV	GLQEGPDGEN	348
15	mouse_E3αI	HVEVLHSVVM	AHQKFALRLG	SWWNKI MSYS	SDFRQI FCQA	CLVEEPPGSEN	348
2	human_E3αI	HVEVLHSEIM	AHQKFALRLG	SWWNKI MSYS	SDFRQI FCQA	CLREEPDSEN	348
	Consensus	.V.V.HS...	AHQ.F.L.L.	SW...I...YS	...R.I.CQ.	.L.E.PD.EN	350

Figure 1C

6	mouse_E3αII	SSLVDRLMLN	DSKLWKGARS	VYHQLFMSSL	LMDLKYKKLF	ALRFAKNYRQ	398
4	human_E3αII	SSLVDRLMLS	DSKLWKGARS	VYHQLFMSSL	LMDLKYKKLF	AVRFAKNYQQ	398
15	mouse_E3αI	PCLISRLMLW	DAKLYKGARK	ILHELIFSSF	FMEMEYKKLF	AMEFVKYYKQ	398
2	human_E3αI	PCLISRLMLW	DAKLYKGARK	ILHELIFSSF	FMEMEYKKLF	AMEFVKYYKQ	398
	Consensus	..L..RLM.	D.KL.KGAR.	..H.L..SS.	.M..YKKLF	A..F.K.Y.Q	400
6	mouse_E3αII	LQRDFMEDDH	ERAVSVTALS	VQFFTAPTAL	RMLLTEENLM	TVIIKAFMDH	448
4	human_E3αII	LQRDFMEDDH	ERAVSVTALS	VQFFTAPTAL	RMLI TEENLM	SIIIKTFMDH	448
15	mouse_E3αI	LQKEYISDDH	ERSISITALS	VQMLTVPTLA	RHLIEEQNVI	SVITETLLEV	448
2	human_E3αI	LQKEYISDDH	DRSISITALS	VQMFTVPTLA	RHLIEEQNVI	SVITETLLEV	448
	Consensus	LQ.....DDH	ER...S.TALS	VQ.FT.PTLA	R.LI.E.N..	SVI...T...	450

Figure 1D

SEQ ID NO:					
6	mouse_E3αII	LKHRDAQGRF	QFERYTALQA	FKFRRVQSLI	LDLKYVLI SK PTEWDEL RQ 498
4	human_E3αII	LRHRDAQGRF	QFERYTALQA	FKFRRVQSLI	LDLKYVLI SK PTEWDEL RQ 498
15	mouse_E3αI	LPEYLD RNN-	KFN-FQGY SQ	DKLGRVYAVI	CDLKYI LI SK PVI WTERL RA 496
2	human_E3αI	LPEYLD RNN-	KFN-FQGY SQ	DKLGRVYAVI	CDLKYI LI SK PTI WTERL RM 496
	Consensus	L.....	.F.....	.K..RV...I	.DLKY. LI SK PT. W..LR. 500
6	mouse_E3αII	KFLQG F DAFL	ELLKCMQGMD	PI TRQVGQHI	EMEPEWEAAF TLQMKLTHVI 548
4	human_E3αII	KFLEG F DAFL	ELLKCMQGMD	PI TRQVGQHI	EMEPEWEAAF TLQMKLTHVI 548
15	mouse_E3αI	QFLEGFRSFL	KI LTCMQGME	EI RRQVGQHI	EVDPDWEAAI AI QMQLKNI L 546
2	human_E3αI	QFLEGFRSFL	KI LTCMQGME	EI RRQVGQHI	EVDPDWEAAI AI QMQLKNI L 546
	Consensus	.FLEGF..FL	..L. CMQGM	.I. RQVGQHI	E..P. WEAA. ..QM L.... 550
6	mouse_E3αII	SMVQDWCA LD	EKVLI EAYKK	CLAVLTQCHG	GFTDGEQPIT LSI CGHSVET 598
4	human_E3αII	SMVQDWCA SD	EKVLI EAYKK	CLAVLMQCHG	GYTDGEQPIT LSI CGHSVET 598
15	mouse_E3αI	LMFQEWCA CD	EDLLLVAYKE	CHKAVMRCST	NFMSTKTV- VQLCGHSLET 595
2	human_E3αI	LMFQEWCA CD	EELLVAYKE	CHKAVMRCST	SFISSTKTV- VQSCGHSLET 595
	Consensus	.M Q. WCA. D	E..L...AYK.	C....M.C..	.F.....CGHS.ET 600

Figure 1E

6	mouse_E3αII	I RYCVSQEKV SI HLPISRLL AGLHVLLSKS EVAYKFPELL PLSELSPPML	648
4	human_E3αII	I YCVSQEKV SI HLPVSRL AGLHVLLSKS EVAYKFPELL PLSELSPPML	648
15	mouse_E3αI	KSYKVSEDLV SI HLPISRTL AGLHVRSLRSL GAISRLHEFV PFDSFQVEVL	645
2	human_E3αI	KSYRVSEDLV SI HLPISRTL AGLHVRSLRSL GAVSRLHEFV SFEDFQVEVL	645
	Consensus	..Y.VS...V SI HLP.SR.L AGLHV.LS...E...P.....L	650
6	mouse_E3αII	I EHPLRCLVL CAQVHAGMMR RNGFSLVNQI YYYHNVKCR EMDKDI VML	698
4	human_E3αII	I EHPLRCLVL CAQVHAGMMR RNGFSLVNQI YYYHNVKCR EMDKDVML	698
15	mouse_E3αI	VEYPLRCLVL VAQVVAEMMR RNGLSLISQV FYYQDVKCRE EMDKDI I ML	695
2	human_E3αI	VEYPLRCLVL VAQVVAEMMR RNGLSLISQV FYYQDVKCRE EMDKDI I ML	695
	Consensus	.E.PLRCLVL .AQV.A.MMR RNG.SL..Q..YY..VKCR. EM DKDI . ML	700
6	mouse_E3αII	QTGVSMMDPN HFLM MLSRF ELYQLFSTPD YGKRFSSEVT HKDVVQQNNT	748
4	human_E3αII	QTGVSMMDPN HFLM MLSRF ELYQIFSTPD YGKRFSSEIT HKDVVQQNNT	748
15	mouse_E3αI	QI GASIMDPN KFLLLVLQRY EL-----TDA FNKTI ST--K QQDLI KQYNT	738
2	human_E3αI	QI GASLMDPN KFLLLVLQRY EL-----AEA FNKTI ST--K QQDLI KQYNT	738
	Consensus	Q.G.S.MDPN .FL...L.R. EL.....T...K..S.....D...Q.NT	750

Figure 1F

6	mouse_E3αII	LI EEM L Y L I I	ML VGER F NPG	VGQVAATDEI	KREI I HQLSI	KPMAHSELVK	798
4	human_E3αII	LI EEM L Y L I I	ML VGER F SPG	VGQVNATDEI	KREI I HQLSI	KPMAHSELVK	798
15	mouse_E3αI	LI EEM L Q V L I	YI VGER Y VPG	VGNVTREEVI	MREI I THLLCI	EPMPHSAI AR	788
2	human_E3αI	LI EEM L Q V L I	YI VGER Y VPG	VGNVTKEEVT	MREI I HL LCI	EPMPHSAI AK	788
	Consensus	LI EEM L . . . I	. . VGER . . PG	VG. V I	. REI I H. L. I .	PM HS . . . K	800
6	mouse_E3αII	SLPEDENKET	GMESVI ESVA	HFKKPGLTGR	GMVELKPECA	KEFNLYFYHF	848
4	human_E3αII	SLPEDENKET	GMESVI EAVA	HFKKPGLTGR	GMVELKPECA	KEFNLYFYHF	848
15	mouse_E3αI	NLPENENNET	GLENVI NKVA	TFKKPGVSGH	GVYELKDESL	KDFNMIFYHY	838
2	human_E3αI	NLPENENNET	GLENVI NKVA	TFKKPGVSGH	GVYELKDESL	KDFNMIFYHY	838
	Consensus	. LPE. EN. ET	G. E. VI . . VA	. FKKPG. . G.	G. YELK. E. .	K. FN. YFYH.	850
6	mouse_E3αII	SRAEQSKAE	AQRKLKRENK	EDTALPPPAL	PPFCPLFASL	VNI LQCDVM	898
4	human_E3αII	SRAEQSKAE	AQRKLKQNR	EDTALPPPVL	PPFCPLFASL	VNI LQSDVM	898
15	mouse_E3αI	SKTQHSKAEH	MQKRRKQEN	KDEALPPPPP	PEFCPAFSKV	VNLLSCDVM	888
2	human_E3αI	SKTQHSKAEH	MQKRRKQEN	KDEALPPPPP	PEFCPAFSKV	INLLNCDI MM	888
	Consensus	S SKAE.	. Q. K . . Q. .	. D. ALPPP. .	P. FCP. F . .	VN. L. CDVM	900

6	mouse_E3αII	YI MGTI LQWA	VEHGS AWSE	SMLQRVLHLI	GMALQEEKHH	LENAVEGHVQ	948
4	human_E3αII	CI MGTI LQWA	VEHNGYAWSE	SMLQRVLHLI	GMALQEEKQH	LENTVEEHVV	948
15	mouse_E3αI	YI LRTI FERA	VDTESNLWTE	GMLQMAFHI L	ALGLLEEKQQ	LQKAPEEEV-	937
2	human_E3αI	YI LRTV FERA	IDTDSNLWTE	GMLQMAFHI L	ALGLLEEKQQ	LQKAPEEEV-	937
	Consensus	YI..TI...A	V.....WE	MLQ...H..	...L.EEKQ.	L...A.EE.V.	950
6	mouse_E3αII	TFTFTQKI SK	PGDAPHNSPS	I LAMLETLQN	APSLEAHKDM	I RWLLKMFNA	998
4	human_E3αII	TFTFTQKI SK	PGEAPKNSPS	I LAMLETLQN	APYLEVHKDM	I RWLKTfNA	998
15	mouse_E3αI	AFDfYHKASR	LGSSAMNAQN	I QMLLERLKG	I PQLEGQKDM	ITW LQMFDT	987
2	human_E3αI	TFDFYHKASR	LGSSAMNI QM	L---LEKLKG	I PQLEGQKDM	ITW LQMFDT	984
	Consensus	TF.F..K.S.	.G....N...	I...LE.L...	.P.LE..KDM	I.W.L.MF..	1000
6	mouse_E3αII	I KKI RE--CS	SSSPVAEAEg	TI MEESRDk	DKAERKRKAe	I ARLRREKI M	1046
4	human_E3αI	VKKMRE--SS	PTSPVAETEG	TI MEESRDk	DKAERKRKAe	I ARLRREKI M	1046
15	mouse_E3αI	VKRLREKSCL	VVATTSGLEC	IKSEEI THDK	EKAERKRKAe	AARLHRQKI M	1037
2	human_E3αI	VKRLREKSCL	I VATTSGSES	IKND EI THDK	EKAERKRKAe	AARLHRQKI M	1034
	Consensus	VK..RE..C.	.....E.	...EE...DK	.KAERKRKAe	.ARL.R.KIM	1050

6	mouse_E3αII	YI MGTI LQWA	VEHGS AWSE	SM LQRVLHLI	GMALQEEKHH	LENAVEGHVQ	948
4	human_E3αII	CI MGTI LQWA	VEHNGYAWSE	SM LQRVLHLI	GMALQEEKQH	LENVTEEHVV	948
15	mouse_E3αI	YI LRTI FERA	VDTESNLWTE	GM LQMAFHI L	ALGLLEEKQQ	LQKAPEEEV-	937
2	human_E3αI	YI LRTV FERA	IDTDSNLWTE	GM LQMAFHI L	ALGLLEEKQQ	LQKAPEEEV-	937
	Consensus	YI..TI...A	V.....WE	.MLQ...H..	...L.EEKQ.	L..A.EE.V.	950
6	mouse_E3αII	TFTFTQKI SK	PGDAPHNSPS	I LAMLET LQN	APSLEAHKDM	I RWLLKMFNA	998
4	human_E3αII	TFTFTQKI SK	PGEAPKNPS	I LAMLET LQN	APYLEVHKDM	I RW LKTFNA	998
15	mouse_E3αI	AFDFYHKASR	LGSSAMNAQN	I QMLLERLKG	I PQLEGQKDM	I TW LQMFDT	987
2	human_E3αI	TFDFYHKASR	LGSSAMNI QM	L---LEKLKG	I PQLEGQKDM	I TW LQMFDT	984
	Consensus	TF.F..K.S.	.G....N...	I...LE.L...	.P.LE..KDM	I.W.L.MF..	1000
6	mouse_E3αII	I KKI RE--CS	SSSPVAEAEAG	TI MEESSRDK	DKAERKRKAE	I ARLRREKI M	1046
4	human_E3αI	VKKMRE--SS	PTSPVAETEG	TI MEESSRDK	DKAERKRKAE	I ARLRREKI M	1046
15	mouse_E3αI	VKRLREKSCL	VVATTSGLEC	I KSEIETHDK	EKAERKRKAE	AARLHRQKI M	1037
2	human_E3αI	VKRLREKSCL	I VATTSGSES	I KNDEI THDK	EKAERKRKAE	AARLHRQKI M	1034
	Consensus	VK...RE..C.	.....E.	...EE...DK	.KAERKRKAE	.ARL.R.KIM	1050

Figure 1H

6	mouse_E3αII	AQMSEMQRHF	I DENKELFQQ	TLELDTSASA	TL--DSSPPV	SDAALTALGP	1094
4	human_E3αII	AQMSEMQRHF	I DENKELFQQ	TLELDASTA	VL--DHSPVA	SDMTLTALGP	1094
15	mouse_E3αI	AQMSALQKNF	I ETHKLMYDN	TSEVTGKEDS	IMEESTSAV	SEASRIALGP	1087
2	human_E3αI	AQMSALQKNF	I ETHKLMYDN	TSEMPGKEDS	IMEESTPAV	SDYSRIALGP	1084
	Consensus	AQMS...Q..F	I...K.....	T.E.....	.....S.P.V	SD....ALGP	1100
6	mouse_E3αII	AQTQVPEPRQ	FVTCILCQEE	QEVTVGSRAM	VLAAFVQRST	VLSKDRTKTI	1144
4	human_E3αII	TQTQVPEQRQ	FVTCILCQEE	QEVKVESRAM	VLAAFVQRST	VLSKNRSKFI	1144
15	mouse_E3αI	KRGPAVTEKE	VLTCILCQEE	QEVKLENNAM	VLSACVQKST	ALTQHRGKPV	1137
2	human_E3α	KRGPSVTEKE	VLTCILCQEE	QEVKIENNAM	VLSACVQKST	ALTQHRGKPI	1134
	Consensus	.....	..TCILCQEE	QEVK.E..AM	VL.A.VQ.ST	.L...R.K.I	1150
6	mouse_E3αII	AD-PEKYDPL	FMPDLSCGT	HTGSCGHVMH	AHCWQRYFDS	VQAKEQRRQQ	1193
4	human_E3αII	QD-PEKYDPL	FMPDLSCGT	HTSSCGHI MH	AHCWQRYFDS	VQAKEQRRQQ	1193
15	mouse_E3αI	DHLGETLDPL	FMDPDLAHGT	YTGSCGHVMH	AVCWQKYFEA	VQ---LSSQQ	1184
2	human_E3αI	ELSGEALDPL	FMDPDLAYGT	YTGSCGHVMH	AVCWQKYFEA	VQ---LSSQQ	1181
	Consensus	....E...DPL	FM PDL..GT	.TGSCGHVMH	A.CWQ.YF..	VQ.....QQ	1200

Figure 1I

6	mouse_E3αII	RLRLHTSYDV	ENGFLCPLC	ECLCNTVIPL	L-LPPRSILS	RRLN-FSDQP	1241
4	human_E3αII	RLRLHTSYDV	ENGFLCPLC	ECLCNTVIPL	L-LPPRNIFN	NRLN-FSDQP	1241
15	mouse_E3αI	RIHVDL-FDL	ESGEYLCPLC	KSLCNTVIPI	IPLQPQKINS	ENAEALAQLL	1233
2	human_E3αI	RIHVDL-FDL	ESGEYLCPLC	KSLCNTVIPI	IPLQPQKINS	ENADALAQLL	1230
	Consensus	R.....D.	E.GE.LCPLC	..L.NTVIP.	..L.P..I.S	.....	1250
6	mouse_E3αII	DLAQWTRAVT	QQIKVVQMLR	RKHNAA-DTS	SSEDTEAMNI	IPIPEGFRPD	1290
4	human_E3αII	NLTQWRTIS	QQIKALQFLR	KEESTP-NNA	STKNSENVDE	LQLPEGFRPD	1290
15	mouse_E3αI	TLARWQTVL	ARISGYNIKH	AKGEAPAVPV	LFNQGMGDST	FEFHSILSFG	1283
2	human_E3αI	TLARWQTVL	ARISGYNI RH	AKGENP-IPI	FFNQGMGDST	LEFHSILSFG	1279
	Consensus	.LA.W.TV.	..I.....	.K...P...	.....	.....	1300
6	mouse_E3αII	FYPRNPYSDS	IKEMLTTFGT	AAYKVGLKVH	PNEGDRVPPI	LCWGTCAITI	1340
4	human_E3αII	FRPKI PYSES	IKEMLTTFGT	ATYKVGLKVH	PNEEDPRVPI	MCWGSCAYTI	1340
15	mouse_E3αI	VQSSVKYSNS	IKEMVILFAT	TIYRI GLKVP	PDELDPRVPM	MTWSTCAFTI	1333
2	human_E3αI	VESSI KYSNS	IKEMVILFAT	TIYRI GLKVP	PDERDPRVPM	LTWSTCAFTI	1329
	Consensus	.....YS.S	IKEM..F.T	..Y..GLKV.	P.E.DPRVP.	..W.TCA.TI	1350

[illegible]

6	mouse_E3αII	QSIERILSDE	EKPVFGPLPC	RLDDCLRSLT	RFAAAHWTVA	LLPVVQGHFC	1390
4	human_E3αII	QSIERILSDE	DKPLFGPLPC	RLDDCLRSLT	RFAAAHWTVA	SVSVVQGHFC	1390
15	mouse_E3αI	QAIENLLGDE	GKPLFGALQN	RQHSGLKALM	QFAVAQRATC	PQVLIHKHLA	1383
2	human_E3αI	QAIENLLGDE	GKPLFGALQN	RQHNGLKALM	QFAVAQRITC	PQVLIQKHLV	1379
Consensus		Q . I E . . L . D E	. K P L F G . L . .	R L . . L .	. F A . A . . . . .	. . . . . Q . H . .	1400

	6	mouse_E3αII	4	human_E3αII	15	mouse_E3αI	2	human_E3αI	Consensus
KLFASLVP	SD	SYEDLPCILD	IDMFHLLVGL	VLAFPALQCQ	D---FSGSSL	1437			
KLFASLVP	ND	SHEELPCILD	IDMFHLLVGL	VLAFPALQCQ	D---FSGISL	1437			
RLLSVILP	NL	QSENTPGLLS	VDLFHVLVGA	VLAFPSLYWD	DTVDLQPSPL	1433			
RLLSVVL	PN	KSEDTPCILS	IDLFHVLVGA	VLAFPSLYWD	DPVDLQPSVV	1429			
.L.....PN.		..E...PC.L.	ID.FH.LVG.	VLAFP.L...	D.....SSL	1450			

6	mouse_E3αII	ATG--DLHIF	HLVTMAHIVQ	ILLTSCSTEEN	---GMDQENP	TGEELAILLS	1482
4	human_E3αII	GTG--DLHIF	HLVTMAHIHQ	ILLTSCSTEEN	---GMDQENP	PCEEEASVLA	1482
15	mouse_E3αI	SSSYNHLYLF	HLITMAHMLQ	ILLTTDTDLS	PGPLAEGEE	DSEEARCASA	1483
2	human_E3αI	SSSYNHLYLF	HLITMAHMLQ	ILLTVDTGL-	---PLAQVQE	DSEEAHSASS	1475
	Consensus	.....L..F	HL.TMAH...Q	ILLT...T....	----...Q....	...EE.....	1500

Figure 1K

6 mouse_E3αII	LHKTLLHQYTG	SALKEAPSGW	HLWRSVRAAI	MPFLKCSAL	FHYLNGVPAP	1532
4 human_E3αII	LYKTLHQYTG	SALKEIPSGW	HLWRSVRAGI	MPFLKCSALF	FHYLNGVPSP	1532
15 mouse_E3αI	FFVEVSQHTD	GLTGCGAPGW	YLWLSLRNGI	TPYLRCALL	FHYLLGVAPP	1533
2 human_E3αI	FFAEISQYTS	GSIGCDIPGW	YLWVSLKNGI	TPYLRCALL	FHYLLGVTPP	1525
Consensus	.....QYT.	.....GW	.LW.S.R.GI	.P.L.C.AL	FHYL.GV..P	1550
6 mouse_E3αII	PDLQV-SGTS	HFEHLCNYLS	LPTNLIHLFQ	ENSDIMNSLI	ESWCQNSEVK	1581
4 human_E3αII	PDIQV-PGTS	HFEHLCSYLS	LPNNLICLFQ	ENSEIMNSLI	ESWCRNSEVK	1581
15 mouse_E3αI	EELFANSAEG	EFSALCSYLS	LPTNLFLLFQ	EYWDTIRPLL	QRWCGDPALL	1583
2 human_E3αI	EELHTNSAEG	EYSALCSYLS	LPTNLFLLFQ	EYWDTVRPLL	QRWCADPALL	1575
Consensus	..L....S....	.F..LCSYLS	LPTNL..LFQ	E..D....L.	..WC.....	1600
6 mouse_E3αII	RYLNGERGAI	SYPRGANKLI	DLPEDYSSLI	NQASNFSCPK	SGGDKSRAPT	1631
4 human_E3αII	RYLEGERDAI	RYPRESNKL	NLPEDYSSLI	NQASNFSCPK	SGGDKSRAPT	1631
15 mouse_E3αI	KSLKQKSAVV	RYPRKRNSLI	ELPEDYSCLL	NQASHFRCPR	SADDERKHPV	1633
2 human_E3αI	NCLKQKNTVV	RYPRKRNSLI	ELPDDYSCLL	NQASHFRCPR	SADDERKHPV	1625
Consensus	..L.....	RYPR..N.LI	.LPEDYS.L.	NQAS.F.CP.	S...D....P.	1650

Figure 1L

6	mouse_E3αII	LCLVCGSLLC	SQSYCCQAEI	EGEDVGACTA	HTYSCGSGAG	I FLRVRECQV	1681
4	human_E3αII	LCLVCGSLLC	SQSYCCQTEL	EGEDVGACTA	HTYSCGSGVG	I FLRVRECQV	1681
15	mouse_E3αI	LCLFCGAILC	SQNI CCQEIV	NGEEVGACVF	HALHCGAGVC	I FLKI RECRV	1683
2	human_E3αI	LCLFCGAILC	SQNI CCQEIV	NGEEVGACIF	HALHCGAGVC	I FLKI RECRV	1675
	Consensus	LCLCG..LC	SQ..CCQ...	.GE.VGAC..	H...CG.GV.	I FL...REC.V	1700
6	mouse_E3αII	LFLAGKTKGC	FYSPPYLDY	GETDQGLRRG	NPLHLCQERF	RKI QKLWQQH	1731
4	human_E3αII	LFLAGKTKGC	FYSPPYLDY	GETDQGLRRG	NPLHLCCKERF	KKI QKLWHQH	1731
15	mouse_E3αI	VLVEGKARGC	AYPAPYLDEY	GETDPGLKRG	NPLHLSRERY	RKLHLVWQQH	1733
2	human_E3αI	VLVEGKARGC	AYPAPYLDEY	GETDPGLKRG	NPLHLSRERY	RKLHLVWQQH	1725
	Consensus	....GK...GC	.Y..PYLD.Y	GETD.GL.RG	NPLHL...ER.	RK...WQQH	1750
6	mouse_E3αII	SITEEIGHAQ	EANQTLVGI D	WQHL			1755
4	human_E3αII	SVTEEIGHAQ	EANQTLVGI D	WQHL			1755
15	mouse_E3αI	CIIEEARSQ	ETNQMLFGFN	WQLL			1757
2	human_E3αI	CIIEEARSQ	ETNQMLFGFN	WQLL			1749
	Consensus	.I.EEI...Q	E.NQ.L.G..	WQ.L			1774